

NLF Series

- 105°C 5,000Hrs assured

- Non-solvent proof
- This series adopts the electrolyte which was excellent in fire retardancy compared with the conventional series
- For LED TV Power, SMPS, IP-Board
- RoHS compliant.
- Halogen-free capacitors are also available



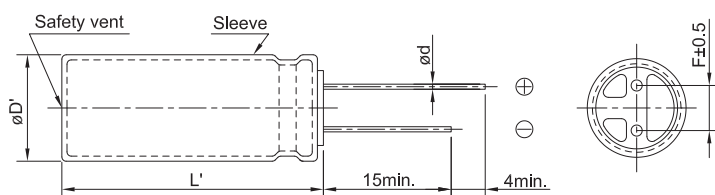
SPECIFICATIONS

Item	Characteristics				
Rated Voltage	400~500 V _{DC}				
Operating Temperature Range	-25 ~ +105°C				
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)				
Leakage Current	<table border="1"> <tr> <td>CV ≤ 1,000</td> <td>CV > 1,000</td> </tr> <tr> <td>I = 0.03CV + 40</td> <td>I = 0.06CV + 100</td> </tr> </table> <p>Where, I : Max. Leakage current(μA) C : Nominal capacitance(μF) V : Rated voltage(V_{DC}) (at 20°C)</p>	CV ≤ 1,000	CV > 1,000	I = 0.03CV + 40	I = 0.06CV + 100
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Dissipation Factor(Tanδ)	<table border="1"> <tr> <td>Rated Voltage(V_{DC})</td> <td>400~500</td> </tr> <tr> <td>Tanδ(Max.)</td> <td>0.24</td> </tr> </table> <p>(at 20°C, 120Hz)</p>	Rated Voltage(V _{DC})	400~500	Tanδ(Max.)	0.24
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Temperature Characteristics (Max. Impedance ratio)	<table border="1"> <tr> <td>Rated Voltage(V_{DC})</td> <td>400~500</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>6</td> </tr> </table> <p>(at 120Hz)</p>	Rated Voltage(V _{DC})	400~500	Z(-25°C)/Z(20°C)	6
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Load Life	<p>The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage with the rated ripple current is applied for 5,000 hours at 105°C.</p> <p>Capacitance change ≤ ±20 % of the initial value tan δ ≤ 200 % of the initial specified value Leakage current ≤ The initial specified value</p>				
Shelf Life	<p>The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied. The rated voltage shall be applied to the capacitors for a minimum of 30 minutes, at least 24 hours and not more than 48 hours before the measurements.</p> <p>Capacitance change ≤ ±20 % of the initial value tan δ ≤ 200 % of the initial specified value Leakage current ≤ 500 % of the initial specified value</p>				
Others	Satisfied characteristics KS C IEC 60384-4				

■ The specifications and the size depend on the safety requirement.(flame retardant)
 Please consult us for any further details.

DIMENSIONS OF NLF Series

Unit(mm)



Marking : DARK BLUE SLEEVE, SILVER INK

øD	16	18
ød	0.8	0.8
F	7.5	7.5
øD'	øD + 0.5 max.	
L'	L + 2.0 max.	